

## QUALIFICATIONS PACK- OCCUPATIONAL STANDARDS FOR PLUMBING

### What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding



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## Introduction

### Qualifications Pack – Plumber (Pumps & E/M Mechanic)

**SECTOR:** PLUMBING INDUSTRY

**SUB-SECTOR:** Contractors

**OCCUPATION:** Plumbing

**REFERENCE ID:** PSC/Q0111

**ALIGNED TO:** NCO-2004/7233.40

**Plumber (Pumps & E/M Mechanic):** Plumber (Pumps & E/M Mechanic) is an important job role in carrying out installation and repair of pumps and E/M equipments in 'contractors' segment.

**Brief Job Description:** A Plumber (Pumps & E/M Mechanic) is responsible for installation and repair of Pumps and E/M equipment used for different plumbing applications of housing, commercial and institutional setups.

**Personal Attributes:** He should be able to work independently on his assignment. He should be comfortable in performing laborious work. He should be a good listener. He should be good at taking and following instructions. He should be a good team player. He should be result oriented and positive in attitude.

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Job Details	Qualifications Pack Code	PSC/Q0111		
	Job Role	Plumber (Pumps & E/M Mechanic)		
	Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	TBD	Version number	0.1
	Sector	Plumbing	Drafted on	15/07/13
	Sub-sector	Contractors	Last reviewed on	30/07/13
	Occupation	Plumbing	Next review date	31/01/14

<b>Job Role</b>	<b>Plumber (Pumps &amp; E/M Mechanic)</b>
<b>Role Description</b>	Responsible for installation and repair of Pumps and E/M equipment used for different plumbing applications of housing, commercial and institutional setups.
<b>NVEQF/NVQF level</b>	4
<b>Minimum Educational Qualifications*</b>	12 <sup>th</sup>
<b>Maximum Educational Qualifications*</b>	N.A.
<b>Training</b> (Suggested but not mandatory)	On-the-job training.
<b>Experience</b>	In lieu of minimum qualification the employee has worked for minimum 3 year in the same role.
<b>Applicable National Occupational Standards (NOS)</b>	<p><b>Compulsory:</b></p> <ol style="list-style-type: none"> <li>PSC/ N 0117 (<a href="#">Installation and repair of pumps and equipments</a>)</li> <li>PSC/ N 0126 (<a href="#">Installation and repair of E/M equipments</a>)</li> <li>PSC/ N 0108 (<a href="#">Coordinating with the senior and other working team</a>)</li> <li>PSC/ N 0109 (<a href="#">Maintain a healthy, safe and secure working environment</a>)</li> </ol> <p><b>Optional:</b></p> <ol style="list-style-type: none"> <li>N.A.</li> </ol>
<b>Performance Criteria</b>	As described in the relevant OS units

Definitions

Keywords /Terms	Description
Sector	Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
Job Role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
OS	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
NOS	NOS are Occupational Standards which apply uniquely in the Indian context.
Qualifications Pack Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
Qualifications Pack	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
Unit Code	Unit Code is a unique identifier for an Occupational Standard , which is denoted by an 'N'.
Unit Title	Unit Title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Knowledge and Understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizational Context	Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills or Generic Skills	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.

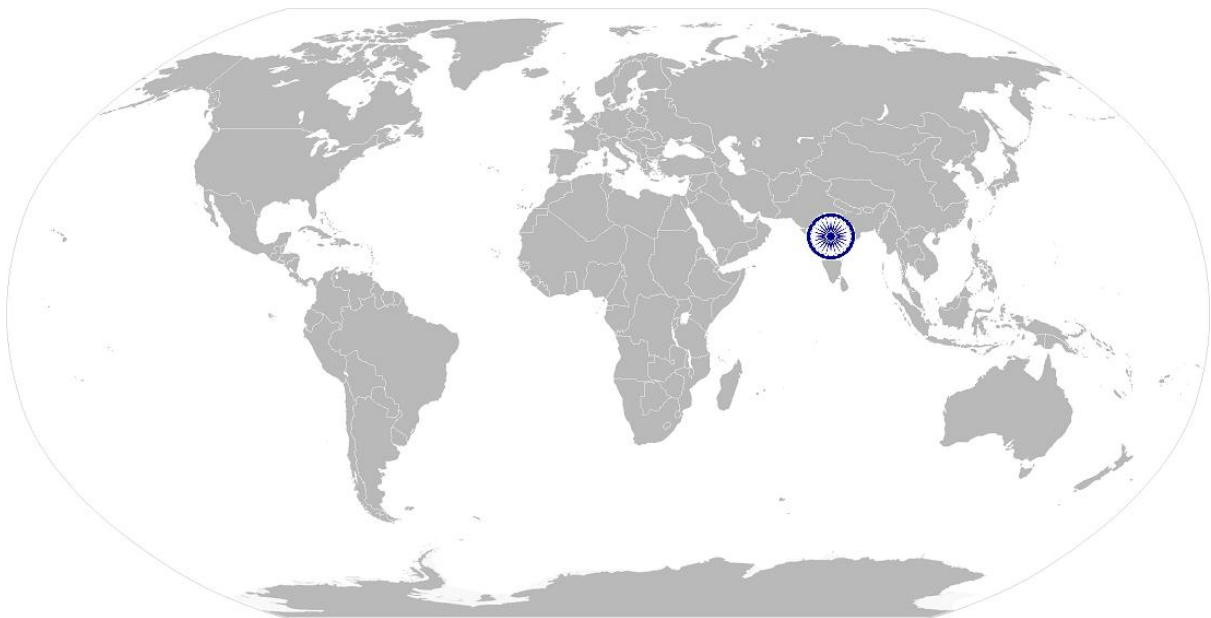
Acronyms	Keywords /Terms	Description
	IPSC	Indian Plumbing Skills council
	NOS	National Occupational Standards
	NSQF	National Skills Qualification Framework
	NVEQF	National Vocational Educational Qualification Framework
	NVQF	National Vocational Qualification Framework
	OS	Occupational Standards
	PC	Performance Criteria
	QP	Qualification Pack
SSC	Sector Skills Council	



PSC/N0117 Installation and repair of pumps and equipments

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# National Occupational Standard



## Overview

This unit is about installing and repairing pumps and equipments used for different plumbing applications in housing, commercial and institutional setups.



**PSC/N0117 Installation and repair of pumps and equipments**

National Occupational Standard

<b>Unit Code</b>	<b>PSC/N0117</b>
<b>Unit Title (Task)</b>	<b>Installation and repair of pumps and equipments</b>
<b>Description</b>	This OS unit is about installing and repairing pumps and equipments used for different plumbing applications in housing, commercial and institutional setups
<b>Scope</b>	<p>This unit/task covers the following:</p> <p><b>Pre-installation</b></p> <ul style="list-style-type: none"> <li>pre-installation related activities involving understanding of the task, assembling pumps components, material preparation and marking the positions for connection of inlet and outlet supply</li> </ul> <p><b>Installation</b></p> <ul style="list-style-type: none"> <li>installation related activities of the pumps and equipments following manufacturer's Standard Installation and Operating Procedures</li> </ul> <p><b>Post-installation</b></p> <ul style="list-style-type: none"> <li>basic quality check of the installed system</li> </ul> <p><b>Service and repair</b></p> <ul style="list-style-type: none"> <li>diagnosis related activities like understanding the installed pump and equipment systems, basic inspection and identification of the fault in pumps and equipments</li> <li>repair related activities like dismantling, replacement of components, reassembly, etc. with minimal damage to other systems/ components</li> </ul>
<b>Performance Criteria(PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Pre-installation</b>	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. understand the pump assembly to be installed as per manufacturer's specifications</p> <p>PC2. identify standard operating procedures and quality assurance requirements</p> <p>PC3. assemble pump components and prepare material for the task</p> <p>PC4. establish sequence of pump and equipment installations</p> <p>PC5. locate and mark position for inlet and outlet supply connections of pump</p>
<b>Installation</b>	<p>PC6. fix the pump at the designated location as per instruction</p> <p>PC7. connect the hoses of inlet and outlet supply to the pump</p> <p>PC8. make provisions for electrical and other required connections</p> <p>PC9. ensure prevention of any contact of water and electrical connections with</p>



## PSC/N0117 Installation and repair of pumps and equipments

	<p>each other</p> <p>PC10. install and connect pump components without any damage to pump, fixture, pipe work, the surrounding environment, or to other services</p> <p>PC11. adjust pressure/flow as per required supply and demand</p>
<b>Diagnosis and Repair</b>	<p>PC12. understand the installed pump system</p> <p>PC13. inspect and identify problem/fault in the installed pump system such as inlet &amp; outlet connection, electrical connection, motor, etc.</p> <p>PC14. establish the sequence of repair/ servicing</p> <p>PC15. assemble tools and prepare material required for the task</p> <p>PC16. prepare material for the repair/ service work as per the requirement</p> <p>PC17. disassemble pump components for the repair/ service work as per correct procedure</p> <p>PC18. carry out the overhaul to the agreed level, using the correct tools and techniques and without damaging other pump system components</p>
<b>Productivity &amp; Quality of output</b>	<p>PC19. check installed pump systems for correct functioning and compliance with specifications</p> <p>PC20. clear the work area and dispose the waste appropriately</p> <p>PC21. achieve quality finishing in repair/ servicing of pump systems</p> <p>PC22. test repaired/ serviced pump system for proper functioning</p>
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. company's policies on: quality and delivery standards, safety and hazards, integrity, dress code, etc.</p> <p>KA2. importance of the individual's role in the work flow</p> <p>KA3. risk and impact of not following defined procedures/work instructions</p> <p>KA4. how to handover/ takeover of the equipment/ fixture / work area as per the instructions</p>
<b>B. Technical Knowledge</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. equipment and workplace safety specifications</p> <p>KB2. terminologies used in pump systems</p> <p>KB3. types of water supply and its implication on pumping system</p> <p>KB4. performance measures, applications and properties of water pumps</p> <p>KB5. manufacturers' specifications related to the installation and fitting of pumps</p> <p>KB6. units of measurements</p> <p>KB7. how to calculate material requirements</p> <p>KB8. procedure of installing water pumps</p> <p>KB9. levelling and alignment procedures</p> <p>KB10. material disposal procedure and its importance</p>



**PSC/N0117 Installation and repair of pumps and equipments**

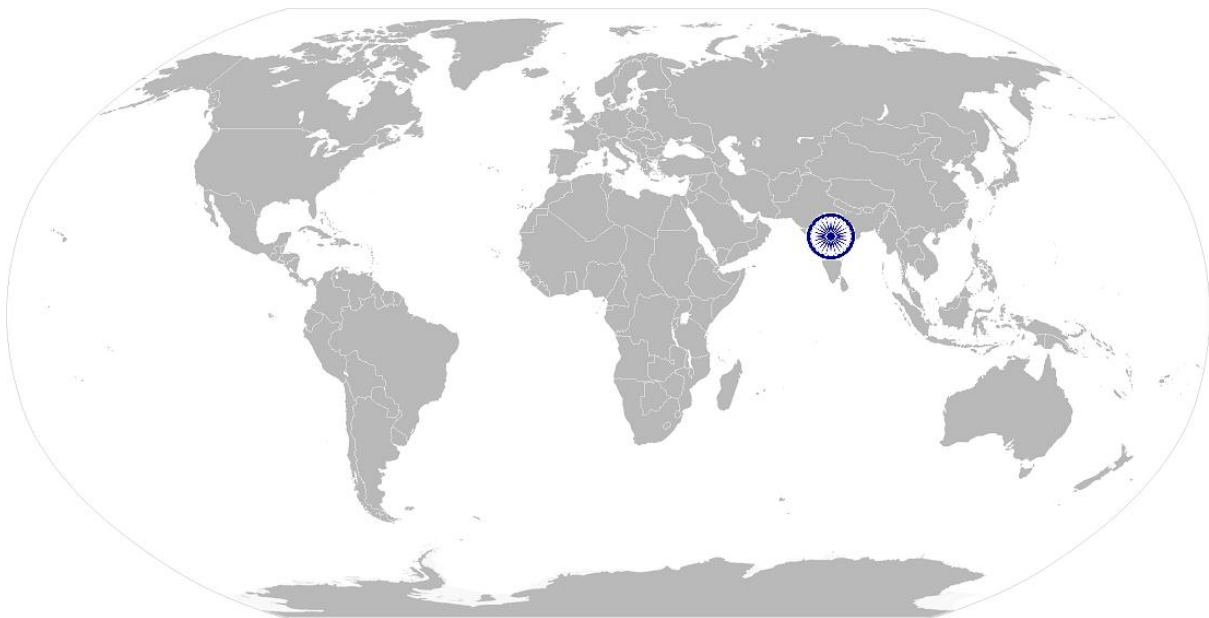
	<p>KB11. types of faults generally occurring with pump systems</p> <p>KB12. the extent to which the equipment is to be dismantled for overhaul</p> <p>KB13. sequence to be adopted for the dismantling/reassembling of the pump assembly</p> <p>KB14. techniques used to dismantle the pump assembly, without damage to the components or surrounding structure</p> <p>KB15. methods of reassembling the pump, using new or previously overhauled components</p>
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Communication and reading skills</b>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA1. communicate in Hindi / regional language</p> <p>SA2. read manufacturer's manual about water pumps and its components</p>
	<b>Measurement/positioning skills</b>
	<p>SA3. perform simple mathematical calculations</p> <p>SA4. measure and mark positions as per instructions/specifications</p>
	<b>Teamwork</b>
	<p>SA5. share work load as required</p> <p>SA6. accept and interpret instructions and requirements correctly</p> <p>SA7. co-ordinate with co-workers and sub-ordinates</p>
	<b>B. Professional Skills</b>
<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. identify and use tools, accessories and equipment like steel rule, hammer, files, fasteners, wrench, screw drivers, etc. for installation and repair of pump and equipment systems</p> <p>SB2. maintain and repair tools and equipment</p>	
<b>Installation techniques</b>	
<p>SB3. carry out pre-installation preparation as per requirement</p> <p>SB4. align and join water pump as per requirement/ manufacturer's specifications</p> <p>SB5. plan and organise activities associated with installing of water pumps, including the scheduling and use of equipment, materials and tools to avoid backtracking and rework</p> <p>SB6. estimate flow/ pressure suitable for the pump system being installed</p> <p>SB7. calculate material requirements for installation of water pumps</p> <p>SB8. stack and store materials and equipment appropriately at the task site</p> <p>SB9. test installed pump system for proper functioning</p>	
<b>Repair and Servicing techniques</b>	





### PSC/N0117 Installation and repair of pumps and equipments

	<p>SB10. carry out diagnosis work as per requirement/ procedure</p> <p>SB11. plan and organise activities associated with repair/ service of installed water pumps, including the scheduling and use of equipment, materials and tools to avoid backtracking and rework</p> <p>SB12. stack and store materials and equipment appropriately at the task site</p> <p>SB13. disassemble pump components for the repair/ service work</p> <p>SB14. repair, replace components and reassemble the system</p> <p>SB15. test repaired/ serviced pump system for proper functioning</p>
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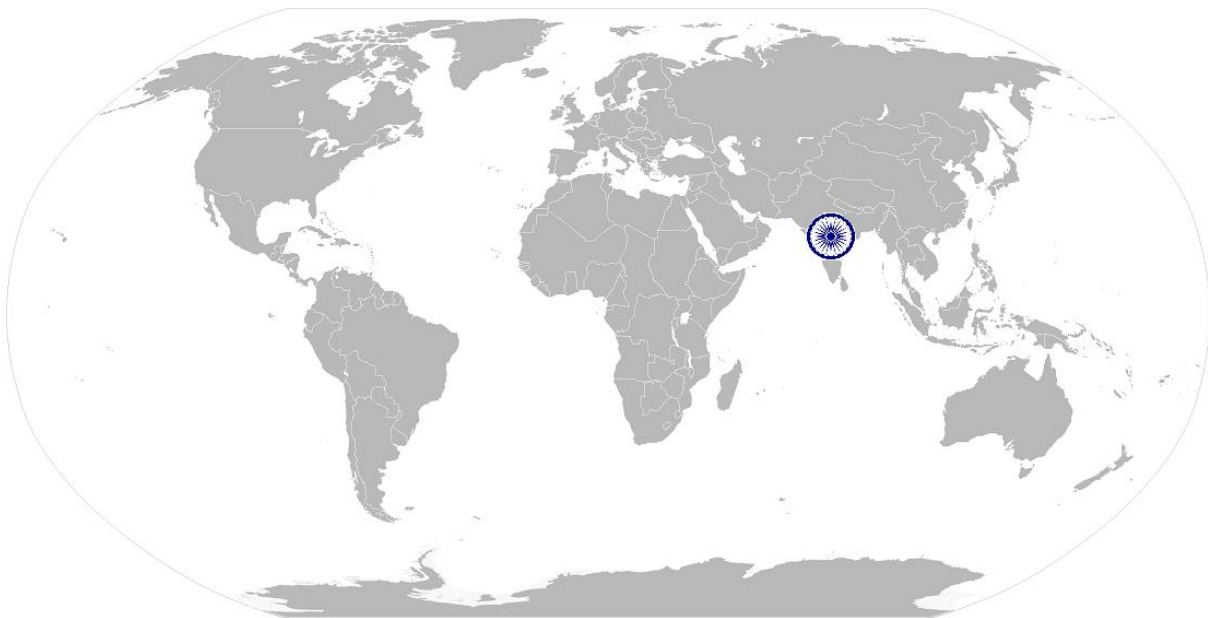




**PSC/N0117 Installation and repair of pumps and equipments**

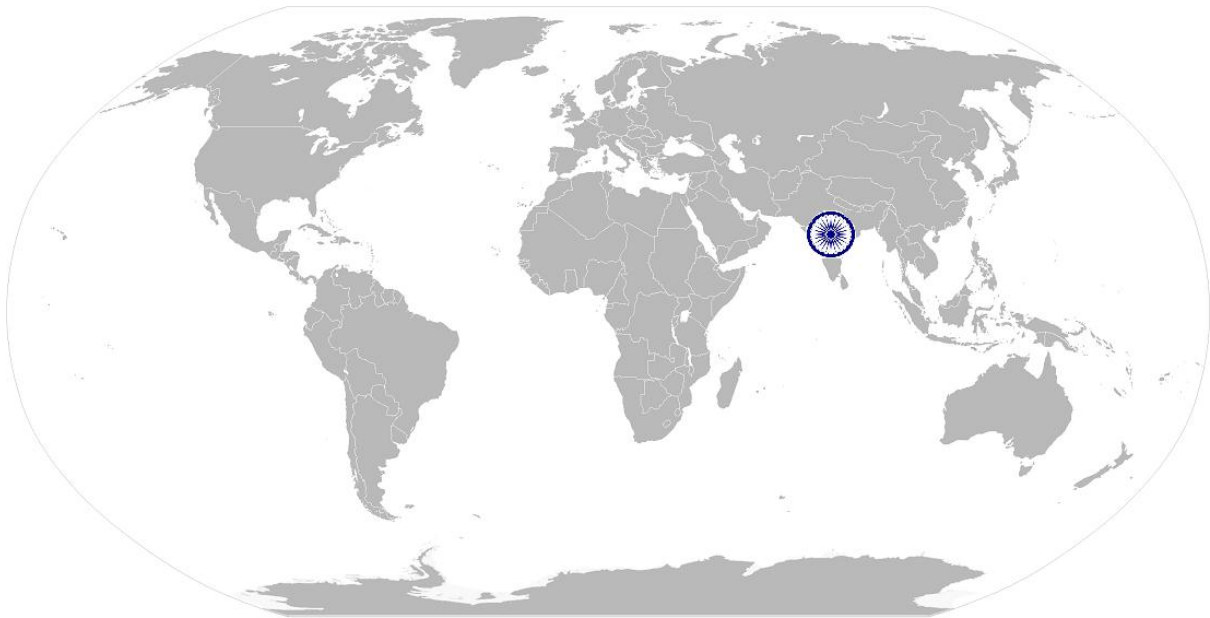
**NOS Version Control**

<b>NOS Code</b>	<b>PSC/N0117</b>		
<b>Credits(NVEQF/NVQF/NSQF) [OPTIONAL]</b>	<b>TBD</b>	<b>Version number</b>	<b>0.1</b>
<b>Industry</b>	<b>Plumbing</b>	<b>Drafted on</b>	<b>01/09/13</b>
<b>Industry Sub-sector</b>	<b>Contractors</b>	<b>Last reviewed on</b>	<b>30/10/13</b>
		<b>Next review date</b>	<b>30/04/14</b>





# National Occupational Standard



## Overview

This unit is about installing and repairing E/M equipment such as water heaters, water and waste water treatment equipments, etc. used for different plumbing applications in housing, commercial and institutional setups.



**PSC/N0126 Installation and repair of E/M equipments**

National Occupational Standard

<b>Unit Code</b>	<b>PSC/N0126</b>
<b>Unit Title (Task)</b>	<b>Installation and repair of E/M equipments</b>
<b>Description</b>	This OS unit is about installing and repairing E/M equipment such as water heaters, water and waste water treatment equipments, etc. used for different plumbing applications in housing, commercial and institutional setups
<b>Scope</b>	<p>This unit/task covers the following:</p> <p><b>Pre-installation</b></p> <ul style="list-style-type: none"> <li>pre-installation related activities involving understanding of the task, assembling E/M equipment components (e.g., filtration, softening, Reverse Osmosis, Sewerage, ETP, etc.), material preparation and marking the positions for connection</li> </ul> <p><b>Installation</b></p> <ul style="list-style-type: none"> <li>installation related activities of the E/M equipment</li> </ul> <p><b>Post-installation</b></p> <ul style="list-style-type: none"> <li>basic quality check of the installed system</li> </ul> <p><b>Service and repair</b></p> <ul style="list-style-type: none"> <li>diagnosis related activities like understanding the installed E/M equipment systems, basic inspection and identification of the fault in the system</li> <li>repair related activities like dismantling, replacement of components, reassembly, etc. with minimal damage to other systems/ components</li> </ul>
<b>Performance Criteria(PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Pre-installation</b>	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. understand the E/M equipment assembly to be installed as per manufacturer's specifications</p> <p>PC2. identify standard operating procedures and quality assurance requirements</p> <p>PC3. assemble E/M equipment components and prepare material for the task</p> <p>PC4. establish sequence of installations</p> <p>PC5. locate and mark position for any inlet and outlet supply connections of E/M equipment</p>
<b>Installation</b>	<p>PC6. fix the E/M equipment at the designated location as per instruction</p> <p>PC7. make provisions for electrical and other required connections</p> <p>PC8. ensure prevention of any contact of water and electrical connections with</p>



### PSC/N0126 Installation and repair of E/M equipments

	<p>each other</p> <p>PC9. install and connect E/M equipment components without any damage to the equipment, fixture, pipe work, the surrounding environment, or to other services</p> <p>PC10. adjust pressure/flow as per required supply and demand</p>
<b>Diagnosis and Repair</b>	<p>PC11. understand the installed E/M equipment system</p> <p>PC12. inspect and identify problem/fault in the installed E/M equipment system such as inlet &amp; outlet connection, electrical connection, motor, etc.</p> <p>PC13. establish the sequence of repair/ servicing</p> <p>PC14. assemble tools and prepare material required for the task</p> <p>PC15. prepare material for the repair/ service work as per the requirement</p> <p>PC16. disassemble E/M equipment components for the repair/ service work as per correct procedure</p> <p>PC17. carry out the overhaul to the agreed level, using the correct tools and techniques and without damaging other E/M equipment system components</p>
<b>Productivity &amp; Quality of output</b>	<p>PC18. check installed E/M equipment systems for correct functioning and compliance with specifications</p> <p>PC19. achieve quality finishing in repair/ servicing of E/M equipment systems</p> <p>PC20. test repaired/ serviced E/M equipment system for proper functioning</p> <p>PC21. clear the work area and dispose the waste appropriately</p>
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. company's policies on: quality and delivery standards, safety and hazards, integrity, dress code, etc.</p> <p>KA2. importance of the individual's role in the work flow</p> <p>KA3. risk and impact of not following defined procedures/work instructions</p> <p>KA4. how to handover/ takeover of the equipment/ fixture / work area as per the instructions</p>
<b>B. Technical Knowledge</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. equipment and workplace safety specifications</p> <p>KB2. basic electrical knowledge</p> <p>KB3. basic terminologies used in E/M equipment system</p> <p>KB4. performance measures, applications and properties of E/M equipment</p> <p>KB5. manufacturers' specifications related to the installation and fitting of E/M equipment</p> <p>KB6. types of faults generally occurring with E/M equipment systems</p> <p>KB7. the extent to which the equipment is to be dismantled for overhaul</p>



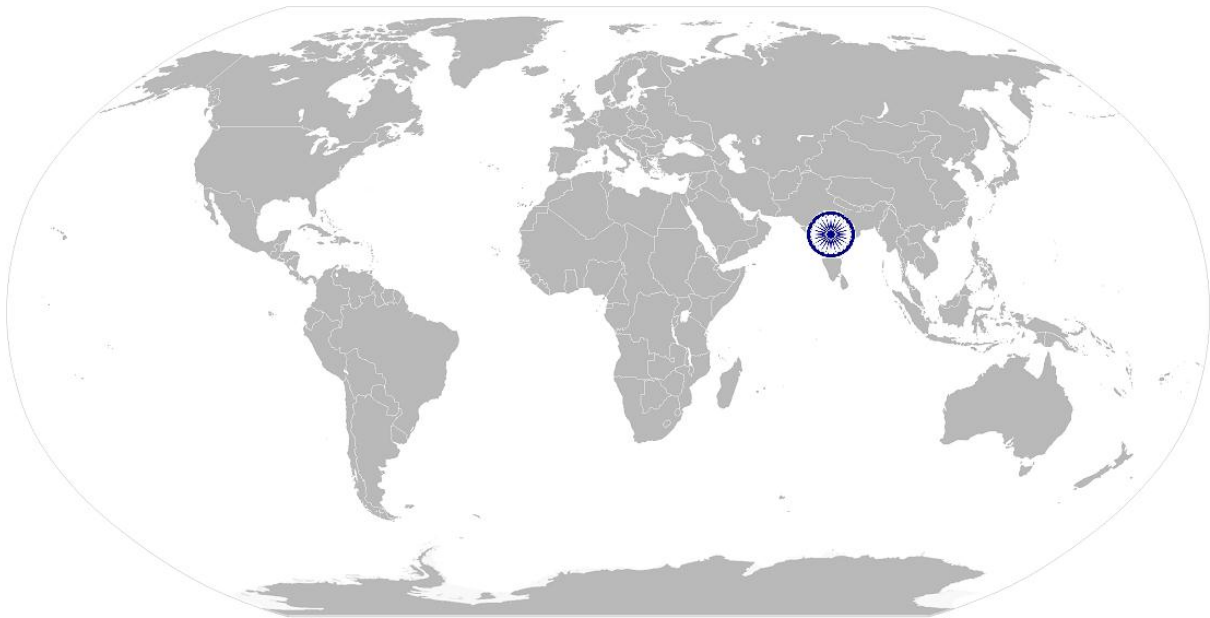
**PSC/N0126 Installation and repair of E/M equipments**

	<p>KB8. sequence to be adopted for the dismantling/reassembling of the E/M equipment</p> <p>KB9. techniques used to dismantle the E/M equipment assembly, without damage to the components or surrounding structure</p> <p>KB10. methods of reassembling the E/M equipment, using new or previously overhauled components</p> <p>KB11. units of measurements</p> <p>KB12. how to calculate material requirements</p> <p>KB13. procedure of installing E/M equipment</p> <p>KB14. material disposal procedure and its importance</p>
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Communication and readingskills</b>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SA1. communicate in Hindi / regional language</p> <p>SA2. read manufacturer's manual about E/M equipment and its components</p>
	<b>Measurement/positioning skills</b>
	<p>SA3. perform simple mathematical calculations</p> <p>SA4. measure and mark positions as per instructions/specifications</p>
	<b>Teamwork</b>
	<p>SA5. share work load as required</p> <p>SA6. accept and interpret instructions and requirements correctly</p> <p>SA7. co-ordinate with co-workers and sub-ordinates</p>
	<b>B. Professional Skills</b>
<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. identify and use tools, accessories and equipment like steel rule, hammer, files, fasteners, wrench, screw drivers, etc. for installation of E/M equipment</p> <p>SB2. maintain and repair tools and equipment</p>	
<b>Installation techniques</b>	
<p>SB3. carry out pre-installation preparation as per requirement</p>	
<p>SB4. align and join E/M equipment as per requirement/ manufacturer's specifications</p>	
<p>SB5. plan and organise activities associated with installing of E/M equipment, including the scheduling and use of equipment, materials and tools to avoid backtracking and rework</p>	
<p>SB6. calculate material requirements for installation of E/M equipment</p>	
<p>SB7. stack and store materials and equipment appropriately at the task site</p> <p>SB8. test installed E/M equipment system for proper functioning</p>	



## PSC/N0126 Installation and repair of E/M equipments

	<b>Repair and services techniques</b>
	<p>SB9. carry out diagnosis work as per requirement/ procedure</p> <p>SB10. plan and organise activities associated with repair/ service of installed E/M equipment, including the scheduling and use of equipment, materials and tools to avoid backtracking and rework</p> <p>SB11. stack and store materials and equipment appropriately at the task site</p> <p>SB12. disassemble E/M equipment components for the repair/ service work</p> <p>SB13. repair, replace components and reassemble the system</p> <p>SB14. test repaired/ serviced E/M equipment system for proper functioning</p>

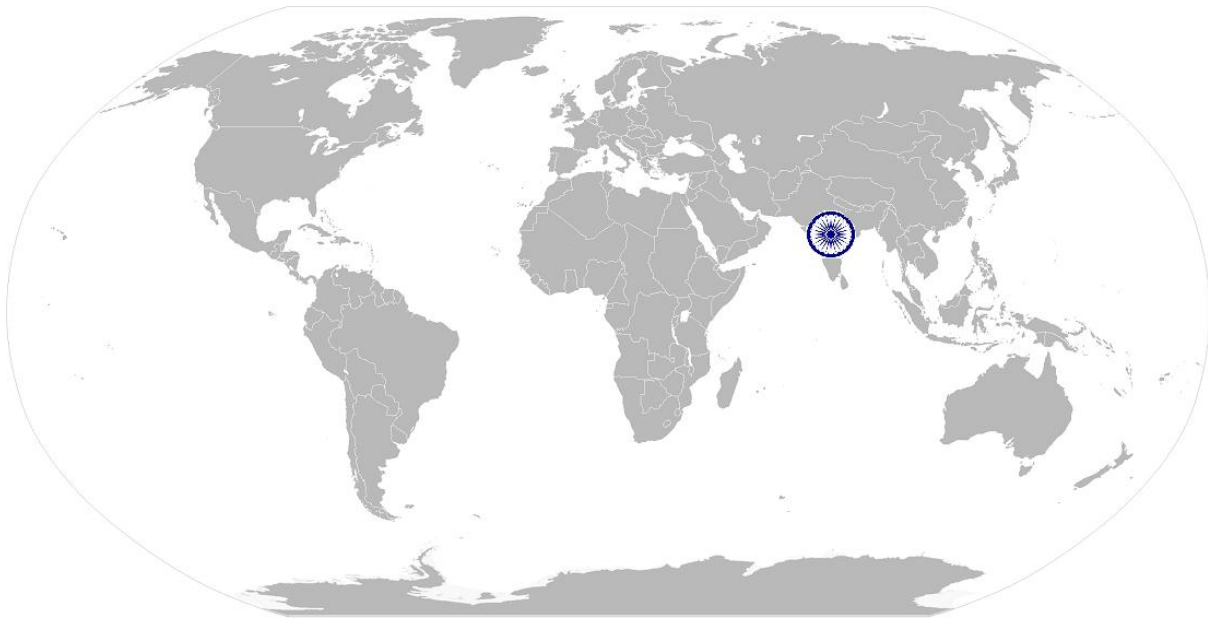




PSC/N0126 Installation and repair of E/M equipments

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<b>Industry Sub-sector</b>	<b>Contractors</b>	<b>Last reviewed on</b>	<b>30/10/13</b>
		<b>Next review date</b>	<b>30/04/14</b>



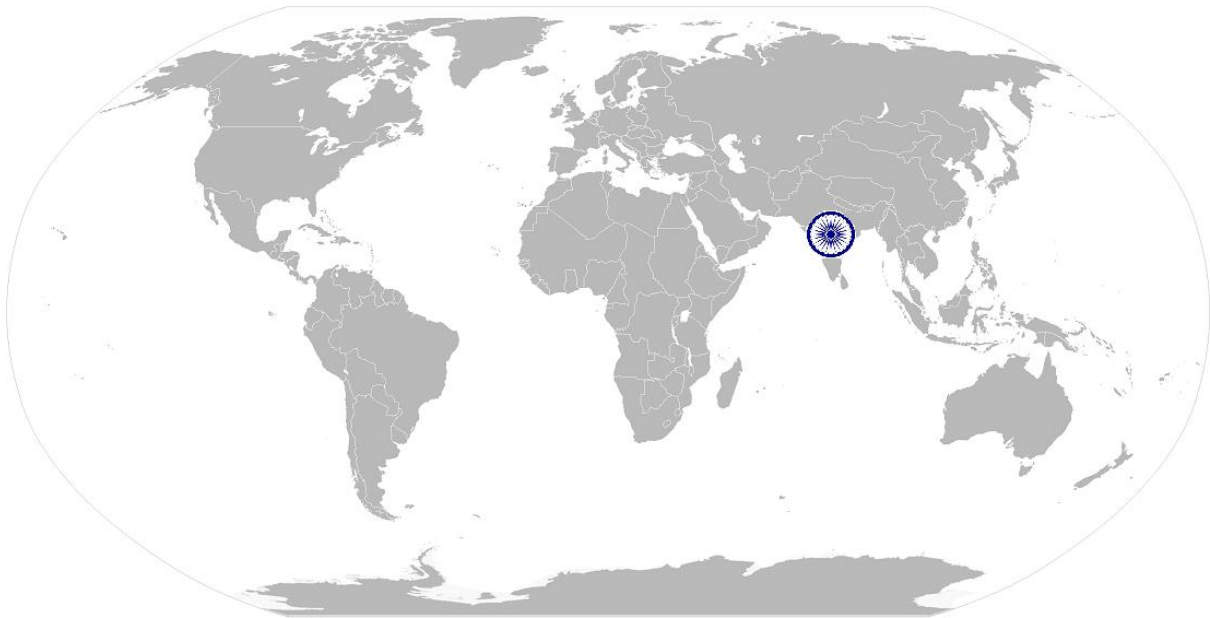




PSC/N0108 Coordinating with the senior and other working team

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# National Occupational Standard



## Overview

This unit is about team work and level of communication with colleagues or clients. It determines the ability to work as a team member, share work and multi-task in order to achieve the deliverables on schedule.



**PSC/N0108 Coordinating with the senior and other working team**

National Occupational Standard	<b>Unit Code</b>	<b>PSC/N0108</b>
	<b>Unit Title (Task)</b>	<b>Coordinating with the senior and other working team</b>
	<b>Description</b>	This OS unit is about communicating with colleagues and seniors in order to achieve smooth and hazard free work flow
	<b>Scope</b>	<p>This unit/task covers the following:</p> <p>Interact with senior</p> <ul style="list-style-type: none"> <li>• receive work instructions, discuss task status and receive feedback</li> </ul> <p>Interact with colleagues within and outside the team</p> <ul style="list-style-type: none"> <li>• communicate and discuss work flow, problems faced, possible solutions and pass on the learning within and outside the team</li> </ul>
	<b>Performance Criteria(PC) w.r.t. the Scope</b>	
	<b>Element</b>	<b>Performance Criteria</b>
	<b>Interaction with senior</b>	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. receive work instructions and raw materials from reporting senior</p> <p>PC2. communicate to reporting senior about task status, repairs and maintenance of tools and equipment as required</p> <p>PC3. communicate any potential hazards and expected process disruptions</p> <p>PC4. handover completed task to reporting senior</p> <p>PC5. receive feedback from reporting senior</p> <p>PC6. report any anticipated reasons for delays</p>
	<b>Interact with colleagues within and outside the team</b>	<p>PC7. work as a team with colleagues and share work as per the work load and skills</p> <p>PC8. work with colleagues of other teams</p> <p>PC9. communicate and discuss work flow related difficulties in order to find solution with mutual agreement</p> <p>PC10. taking instructions from the reporting senior</p> <p>PC11. report problem/incident etc.</p> <p>PC12. put team over individual goals</p> <p>PC13. resolve conflicts</p>
	<b>Knowledge and Understanding (K)</b>	
	<b>A. Organizational Context</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. company's policies on: preferred language of communication, quality delivery standards and personnel management</p> <p>KA2. reporting structure</p>



### PSC/N0108 Coordinating with the senior and other working team

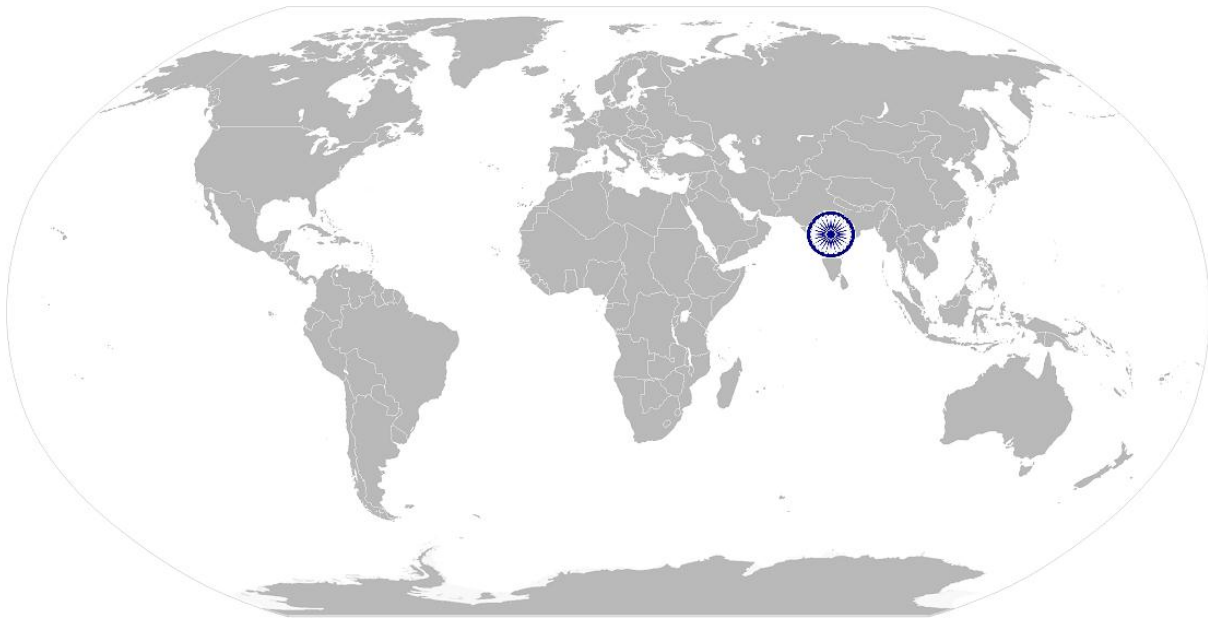
<b>B. Technical Knowledge</b>	The user/individual on the job needs to know and understand: KB1. effective ways of communication KB2. building team co-ordination
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Communication skills</b>
	The user/individual on the job needs to know and understand how to: SA1. communicate in Hindi / regional language
	<b>Teamwork</b>
	SA2. share work load as required SA3. accept and interpret instructions and requirements correctly SA4. co-ordinate with co-workers and sub-ordinates
<b>B. Professional Skills</b>	<b>Decision making</b>
	The user/individual on the job needs to know and understand: SB1. how to spot and communicate potential areas of disruptions to work process and report the same SB2. when to report to senior and when to deal with a colleague individually, depending on the type of concern
	<b>Reflective thinking</b>
	SB3. improve work processes by interacting with others and adopting best practices



PSC/N0108 Coordinating with the senior and other working team

## NOS Version Control

<b>NOS Code</b>	<b>PSC/N0108</b>		
<b>Credits(NVEQF/NVQF/NSQF) [OPTIONAL]</b>	<b>TBD</b>	<b>Version number</b>	<b>0.1</b>
<b>Industry</b>	<b>Plumbing</b>	<b>Drafted on</b>	<b>15/07/13</b>
<b>Industry Sub-sector</b>	<b>Contractors</b>	<b>Last reviewed on</b>	<b>30/07/13</b>
		<b>Next review date</b>	<b>31/01/14</b>





# NOS

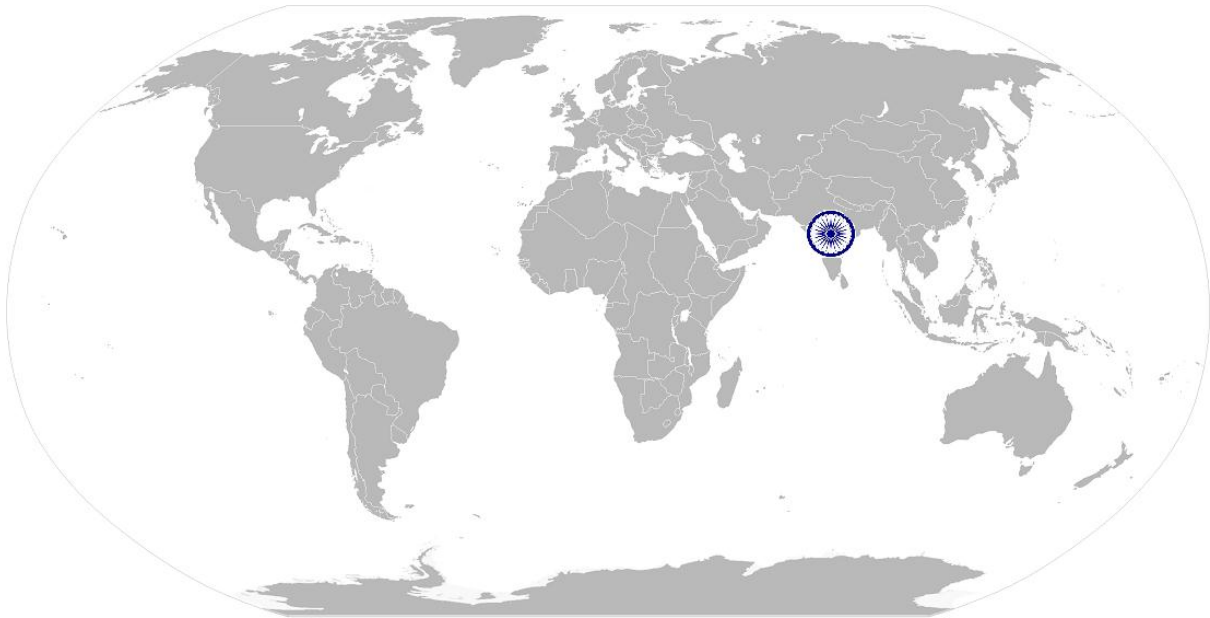
National Occupational Standards



**PSC/N0109 Maintain a healthy, safe and secure working environment**

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# National Occupational Standard



## **Overview**

This unit is about being aware of, communicating and taking steps towards minimizing potential hazards and dangers of accidents on the job and maintaining occupational health and safety.



## PSC/N0109 Maintain a healthy, safe and secure working environment

<b>Unit Code</b>	<b>PSC/N0109</b>
<b>Unit Title (Task)</b>	<b>Maintain a healthy, safe and secure working environment</b>
<b>Description</b>	This OS unit is about monitoring your working environment and making sure it meets requirements for health and safety
<b>Scope</b>	<p>This unit/task covers the following:</p> <p>Communicate to reporting senior about</p> <ul style="list-style-type: none"> <li>• process flow improvements that can reduce anticipated or repetitive hazards</li> <li>• mishandling of tools and equipment</li> <li>• electrical or any other problem at the construction site that could result in accident</li> </ul>
<b>Performance Criteria(PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Communicating potential accident points</b>	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. to avoid accidents related to use of sharp tools and equipment</p> <p>PC2. attend and actively participate in the health and safety campaigns organized by the company or any other authority</p>
<b>Using safety gear and following healthy practices</b>	<p>PC3. use or wear safety gear (helmet, gloves, goggles, safety shoes, ear plugs, etc.) as per the rules of the company</p> <p>PC4. attend fire drills or any other safety drills organized by the company or any other authority</p> <p>PC5. learn first-aid procedure</p> <p>PC6. use insect repellents and safe drinking water</p> <p>PC7. use site toilets and follow other hygienic practices</p> <p>PC8. understand the evacuation and emergency procedures</p>
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. company's policy on: safety and hazards and personnel management</p> <p>KA2. reporting structure</p>
<b>B. Technical Knowledge</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. how to use tools and equipment without suffering any physical harm</p> <p>KB2. first-aid procedure</p> <p>KB3. diseases caused due use of unsafe water, biting of insects and following unhygienic practices</p> <p>KB4. evacuation and emergency procedures</p>
<b>Skills (S)</b>	



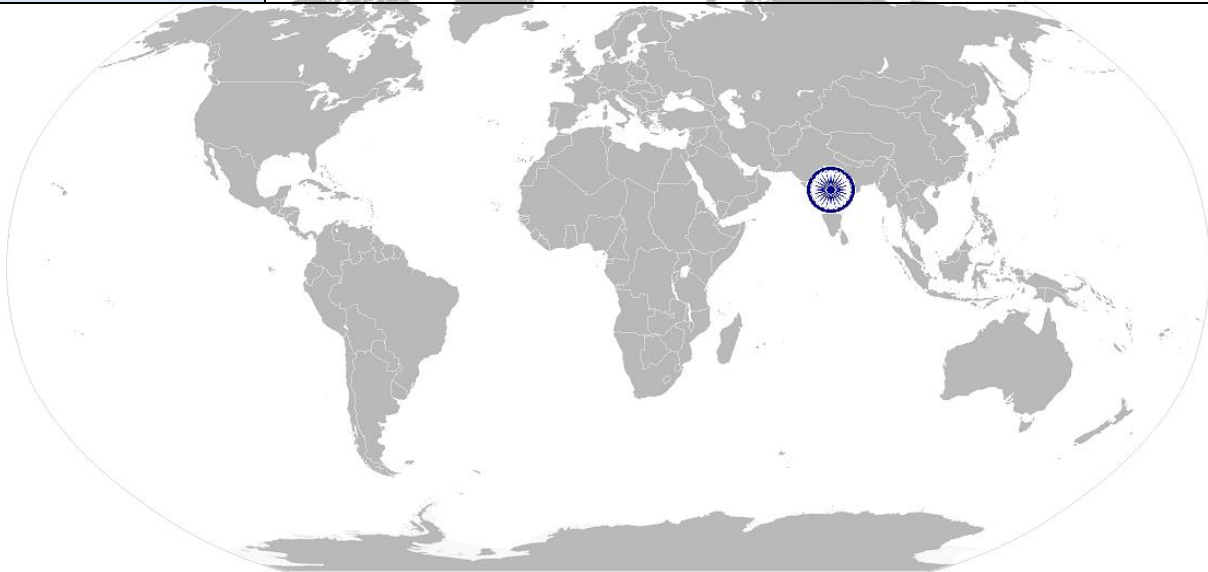
# NOS

National Occupational Standards



## PSC/N0109 Maintain a healthy, safe and secure working environment

<b>A. Core Skills/ Generic Skills</b>	<b>Communication skills</b>
	The user/individual on the job needs to know and understand how to: SA1. effectively communicate the danger
	<b>Organising skills</b>
<b>B. Professional Skills</b>	SA2. keep all the tools in an organised manner so as to avoid accidents SA3. keep the work environment safe and clean
	<b>Decision making</b>
	The user/individual on the job needs to know and understand how to: SB1. report potential sources of danger SB2. follow prescribed procedure in the event of an accident SB3. wear appropriate safety gear to avoid an accident
	<b>Reflective thinking</b>
	SB4. learn from past mistakes regarding use of hazardous tools and equipment





# NOS

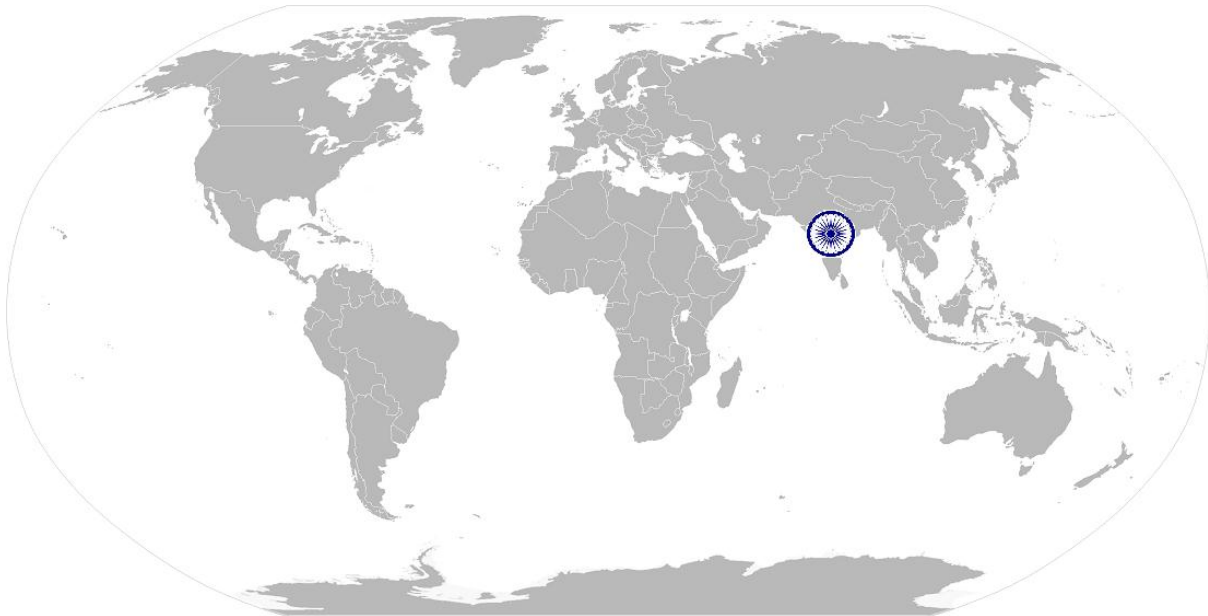
National Occupational Standards



**PSC/N0109 Maintain a healthy, safe and secure working environment**

## NOS Version Control

NOS Code	PSC /N0109		
Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	TBD	Version number	0.1
Industry	Plumbing	Drafted on	15/07/13
Industry Sub-sector	Contractors	Last reviewed on	30/07/13
		Next review date	31/01/14

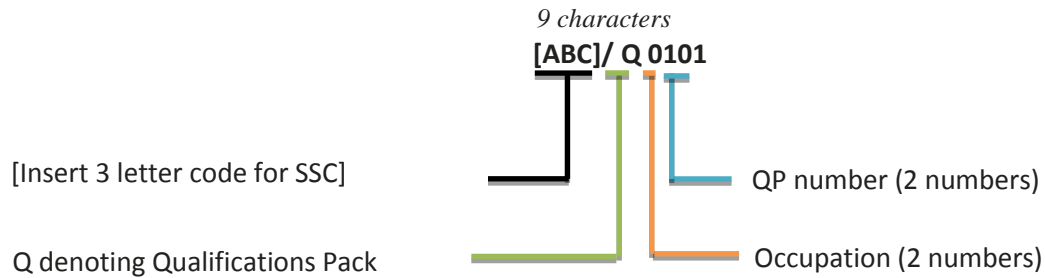




## Annexure

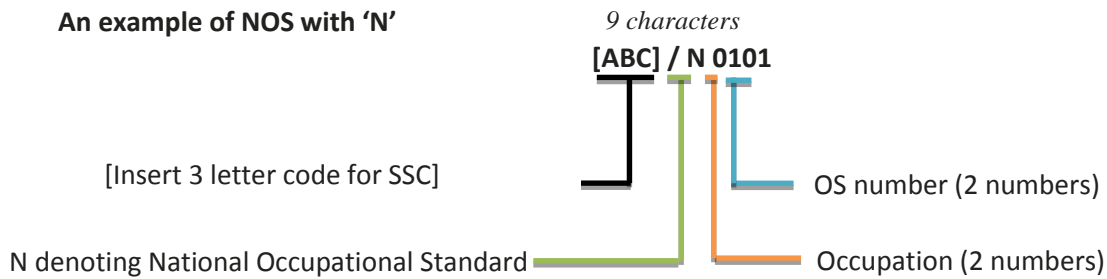
### Nomenclature for QP and NOS

#### Qualifications Pack



#### Occupational Standard

##### An example of NOS with 'N'



The following acronyms/codes have been used in the nomenclature above:

Sub-sector	Range of Occupation numbers
<b>Contractors</b>	01-10
<b>Consultants</b>	11-20
<b>Manufacturers</b>	21-30

Sequence	Description	Example
<b>Three letters</b>	Industry name	PSC
<b>Slash</b>	/	/
<b>Next letter</b>	Whether <b>QP</b> or <b>NOS</b>	N
<b>Next two numbers</b>	Occupation code	01
<b>Next two numbers</b>	OS number	01